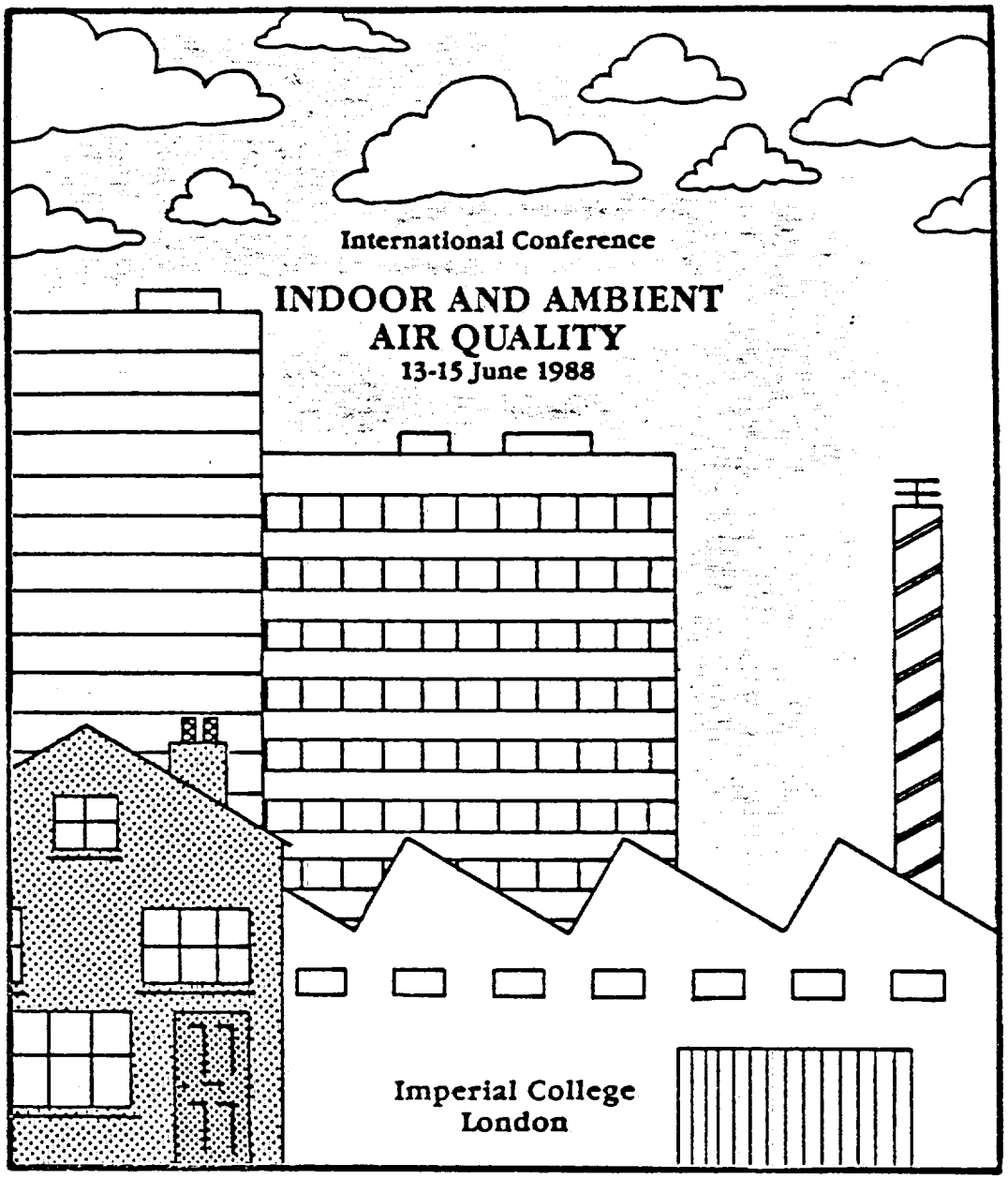
PRELIMINARY PROGRAMME

TK 522



SECRETARIAT
INTERNATIONAL INDOOR AND
AMBIENT AIR QUALITY CONFERENCE
c/o Professor R. Perry
Public Health & Water Resource Engineering
Department of Civil Engineering
Imperial College
London SW7 2BU
United Kingdom

2028370034

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INDOOR AND AMBIENT AIR QUALITY

With problems of indoor air quality becoming increasingly apparent, it is essential to have a far more detailed and fundamental understanding of the occurrence of specific chemicals in indoor air, and of their mechanisms of interaction and modes of dispersion. Such factors are heavily influenced both by building design & construction materials as well as building ventilation and maintenance.

The contribution made to air quality by passive smoking and environmental tobacco smoke is typically an area that needs careful scientific evaluation, as do such problems as 'sick building syndrome' which has recently attracted considerable publicity. Here the importance of architectural and service design is widely acknowledged, with many innovative changes being needed for the future.

Accordingly the conference will centre on the scientific, engineering and health aspects of indoor air quality, whilst concentrating upon the following major themes:

- Indoor Air Chemistry
  Specific Chemicals, their Interaction and Dispersion
- Environmental Tobacco Smoke and Passive Smoking
- Airborne Bacteria
- Risk Assessment and Health Effects
- Indoor Air Quality Control
- Ventilation and Dispersion
- Architectural Design Concepts
- Transport Related Air Pollution
- Air Quality Impact Assessment
- Ambient Air Quality Monitoring

Both state-of-the-art reviews and original research papers will be presented as will specific case studies and field evaluations.

SESSIONS
The conference programme will include both plenary and parallel sessions at which a number of invited lectures will also be presented. Time will also be reserved for poster sessions linked to short oral presentations. Poster papers will be given equal prominence and ample time will be allowed for review, discussion and presentation. Poster papers will also be published as full contributions in the Conference Proceedings.

SUBMISSION OF PAPERS
Contributed papers will be welcome in the areas outlined above. Intending authors should submit an abstract of 200-300 words (6 copies) to the Secretariat by 10 February 1988. Following refereeing by the Technical Committee, notification of acceptance will be made by early March 1988.

MANUSCRIPT PREPARATION
Authors of accepted papers will be required to prepare a typewritten manuscript for inclusion in the conference proceedings. Details of manuscript preparation will be sent to authors with the notification of acceptance in March 1988 and completed manuscripts will be required by 15 April 1988.

PROCEEDINGS
The conference proceedings will be published in advance and made available to delegates at the conference. The proceedings volume will be in the form of a hard bound book suitable for library distribution with appropriate ISBN reference.

OFFICIAL LANGUAGE
The official language of the conference is English which will be used for all presentations and printed material.

LOCATION
The conference will be held at Imperial College, London SW7 between 13 and 15 June 1988.

SOCIAL PROGRAMME
A social programme will be provided for delegates and their guests in the form of a Chairman's reception on the first evening and a more formal conference dinner on the other evening. Details will be included in the final programme. The cost of the social programme will be included in the complete conference package as will lunches and light refreshments for all participants and accompanying persons.

TRAVEL
Many facilities exist for budget travel to London and delegates are advised to book combined travel/hotel packages at an early date. Alternatively, advice on hotel accommodation in reasonable proximity to Imperial College will be available with the final programme.

SECRETARIAT
For further information please contact
International Indoor and Ambient Air Quality Conference
c/o Professor R. Perry
Public Health & Water Resource Engineering
Imperial College
London SW7 2BU
United Kingdom

INDOOR AND AMBIENT AIR QUALITY CONFERENCE 13-15 June 1988
REGISTRATION FORM/REQUEST FOR FURTHER INFORMATION

REGISTRATION DETAILS

Authors	(inclusive of attendance at technical presentations, hardbound copy of Proceedings, lunches, refreshments and social programme)	£200
Delegates	(inclusive of attendance, hardbound copy of Proceedings, lunches, refreshments and social programme)	£220
Student Delegates	(by prior arrangement with Professor Perry and only if application is accompanied by letter of approval from your supervisor)	£100
Accompanying Persons	(covering lunches, refreshments and social programme as described above)	£60

Please complete as soon as possible
Please use BLOCK CAPITALS

Name .....

Title (Prof, Dr, Mr, Ms) .....

Address .....

.....

.....

Telephone No .....

Telex No .....

Signature .....

Date .....

☐ I wish to receive the final programme when available

☐ I intend to submit a paper entitled

.....

☐ I wish to register as above
I enclose registration fee for £ .....

Name of accompanying person (where appropriate) .....

.....

☐ Registration fee of £ .....
will be paid on arrival at the Registration Desk

Cheques and bankers drafts should be made payable to AIR QUALITY CONFERENCE and sent to the Conference Secretariat

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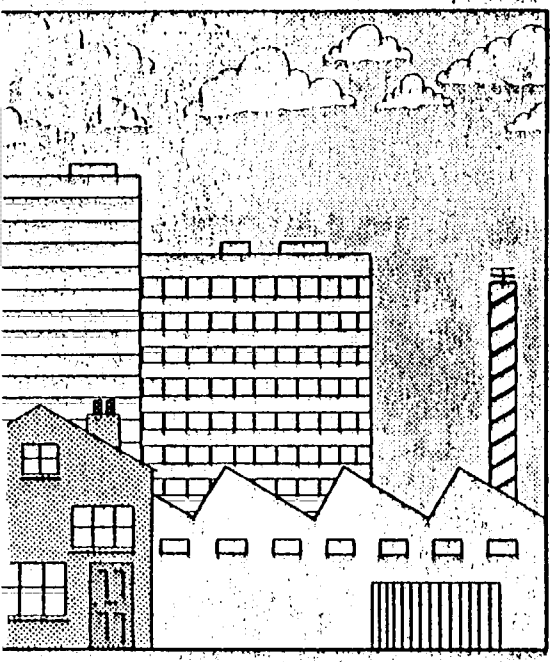
International Conference

INDOOR AND AMBIENT AIR QUALITY

13-15 June 1988



Imperial College
London

February 1988

Secretariat
c/o Professor R. Perry (Chairman)
Department of Civil Engineering
Imperial College
London SW7 2BU

Telephone 01-589 5111 ext 4719
Telex 918351 IMPCIV G

International Conference on Indoor & Ambient Air Quality
Imperial College, London, UK, 13-15 June 1988

Enclosed please find the preliminary programme for the International Conference on Indoor & Ambient Air Quality which is to be held in London 13-15 June 1988. The papers are to be presented in the following sections:

- Overview Papers
- Environmental Tobacco Smoke & Passive Smoking
- Risk Assessment & Health
- Indoor Air Quality with respect to Ventilation & Dispersion - Sick Building Syndrome
- Indoor Air Chemistry - Specific Chemicals
- Airborne Bacteria
- Architectural and Design Criteria
- Air Quality Monitoring

As it is anticipated that a number of additional papers will be included in the final programme, this will be published and distributed in a few weeks time.

Already we have indications that this will be a well attended meeting and we are looking forward to a worthwhile scientific and technical discourse.

Yours sincerely,

Roger Perry

R. Perry
Chairman

Enclosure

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A INDOOR & AMBIENT AIR QUALITY

- Comparative evaluation of indoor and ambient air quality - Legislation.
  Dr M.J. Suess
  WHO Regional Office for Europe, Denmark

- Comparative evaluation of indoor and ambient air quality - chemical considerations.
  Dr R.M. Harrison, I. Colbeck & A. Simmons
  Institute of Aerosol Science, University of Essex, UK

- Comparative criteria for indoor and ambient air quality - biological considerations.
  Dr N.J.B. Bell, Imperial College, London, UK

- Modelling the dispersion of airborne pollutants in the indoor environment.
  T.B. Hansen, N.O. Breum*, J.S. Markvorsen & J. Hansen
  COWIconsult, Denmark
  *Danish National Institute of Occupation Health, Denmark

- Biomass fuel combustion and indoor air quality in developing countries.
  Dr Jan S.M. Boleij
  Wageningen Agricultural University, The Netherlands

- Air pollution by selected organics and photooxidants in the lower Athens atmosphere.
  Dr Elvira Tsani-Bazaca
  Athens, Greece

- Reduction in the inhalation dose by staying indoors.
  Jørn Roed
  Risø National Laboratory, Denmark

- Spreading of combustion products from side wall balanced flue terminals.
  Ir. W.H.V. van Heugten
  Duth VEG-Gasinstituut, The Netherlands

- The physical behaviour of sidestream tobacco smoke under ambient conditions.
  J.N. Pritchard, A. Black & J.J. McAughey,
  Harwell Laboratory, UK

- The analysis of the contribution of ETS to indoor air.
  C.J. Proctor
  BAT (UK & Export) Ltd, Southampton, UK

- Prediction of the build-up and decay of ETS components by mathematical modelling.
  D.P. Robinson & N.D. Warren
  BAT (UK & Export) Ltd, Southampton, UK

- Collection and analysis of Solanesol as a tracer of environmental tobacco smoke (ETS).
  Dr Michael W. Ogden, & Katherine C. Maiolo
  R.J. Reynolds Tobacco Co., USA

- ETS concentrations on the different conditions of ventilation and smoking regulation.
  Prof T. Sterling
  Vancouver, Canada

- Environtmental tobacco smoke in the work place environment.
  M. Hunter, P.W.W. Kirk, J.N. Lester & R. Perry
  Imperial College, London, UK

- A facility for the sensory evaluation of environmental tobacco smoke.
  Dr C.B. Kurtz & M.R. Savoca
  R.J. Reynolds Tobacco Company, Winston-Salem, USA

- Tobacco Smoke and Passive Smoking.
  Dr S. Shanmuganandan
  Madurai Kamaraj University, India.

- The build-up and decay of environmental tobacco smoke constituents as a function of room conditions.
  R.R. Baker, P.D. Case & N.D. Warren
  BAT (UK & Export) Ltd, Southampton, UK

- Assessing Exposure to Environmental Tobacco Smoke.
  Dr D.J. Eatough, Brigham Young University, Provo, USA

- Assessment of ETS impact on office air quality.
  Dr J. Jacques Piade, P.M. Europe, Switzerland

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- Environmental Tobacco Smoke and Passive Smoking.
  Dr T. Hirayama
  Institute of Preventive Oncology, Tokyo Japan

- An alternative explanation for the increased risk of lung cancer in non-smokers married to smokers.
  P.N. Lee
  Sutton, UK

- Overview presentation on the Health Consequences of Environmental Tobacco Smoke.
  Dr Barbara S. Hulka
  The University of North Carolina at Chapel Hill, USA

- Application of physiological pharmacokinetic modeling to the design of human exposure studies with environmental tobacco smoke.
  N.J. Balter[1] & Dr S.L. Schwartz[1] & D.J. Eatough[2]
  [1]Georgetown University Medical Center, USA
  [2]Brigham Young University, Provo, Utah, USA

- Quantitative and qualitative differences in tobacco smoke uptake between active and passive smoking.
  G. Scherer[1], K. Westphal[1], M. Sorsa[2] and F. Adlkofer[1]
  [1]Forschungsgesellschaft Rauchen und Gesundheit mbH, Hamburg, FRG
  [2]Institute of Occupational Health, Helsinki, Finland

- Age as a modifying factor in the association between lung cancer in non-smoking women and their husbands' smoking status.
  S.J. Kilpatrick
  Medical College of Virginia, USA

- Health effects of passive smoking in the workplace.
  Dr W. Allan Crawford
  Seaforth, NSW, Australia

- Design, evaluation and implications of a study 'Intervening in the Tobacco Habits of Rural Indian Population'.
  Dr M.B. Aghi
  Tata Institute of Fundamental Research, Bombay, India

- Passive smoking in infarcted patients: role of indoor exposure.
  Dr A. Leone
  City Hospital, Castelnuovo, Italy

- An international survey of the health effects of involuntary tobacco smoke exposure.
  Dr M.J. Fisher
  Stone Mountain, Georgia, USA

- Cotinine concentrations in urine during early childhood with smoking parents at home.
  Dr J. St Jordanov, P. Miteva, S. Romanova,
  Research Institute of Pediatrics, Sofia, Bulgaria.

- Effect of active and passive tobacco inhalation on the bronchopulmonary function.
  Dr M. Kentner
  Institute für Arbeits-und Sozial-Medizin, Erlangen, FRG

- Lung function and bronchial reactivity of parents and children.
  Dr J. Kuehr,
  Freiburg, FRG

- Transplacental smoking.
  Dr M. Sorsa
  Institute of Occupational Health, Helsinki, Finland

- Never smoke lung cancer deaths from exposure to ETS.
  A. Arundel, T. Sterling & J. Weinkam
  Simon Fraser University, Canada

- Exposure of hamsters and rats to sidestream smoke of cigarettes: preliminary results of a 90-day inhalation study.
  Dr F. Adlkofer[1], G. Scherer[1], R. Wenzel-Hartung[2], H. Brune[2] and C. Thomas[3]
  [1]Forschungsgesellschaft Rauchen und Gesundheit mbH, FRG
  [2]Biologisches Laboratorium , Hamburg, FRG
  [3]Pathologisches Institut, Marburg/Lahn, FRG

- Simultaneous nicotine and cotinine levels in plasma and urine as an index of environmental tobacco smoke uptake.
  Dr Shunro Itani[1], Eigo Higashi[1] & Yoshiharu Shimizu[2]
  [1]Kyoto Senbai Hospital, Japan
  [2]Saitama Medical University, Japan

- Impact of a smoking policy in Canadian Government workplace.
  L. Ouimet
  Health Promotion Directorate, Ottawa, Canada

- Passive smoking, young people and parents.
  Prof C. Arciti
  Instituto Nazionale per la Ricerca sul Cancro, Genova, Italy

- Sulfur hexafluoride as a surogate for volatilization of organics from indoor water uses.
  N.J. Giardino, J.B. Andelman
  University of Pittsburgh, USA
  J.E. Borrazzo, C.I. Davidson
  Carnegie Mellon University, Pittsburgh, USA

- Health effects of indoor nitrogen dioxide pollution.
  Dr L.J. Dijkstra, D. Houthuijs, I. Akkerman, B. Brunekreef
  University of Wageningen, The Netherlands

- Indoor air quality - a relevant factor in human exposure.
  Dr M. Fugas
  Institute for Medical Research & Occupational Health, Zagreb, Yugoslavia

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SICK BUILDING SYNDROME

- Ventilation, health & energy conservation. A workable compromise.
  Dr G.J. Robertson
  Acva Atlantic Inc., Fairfax, USA

- The relationship between passive cigarette smoke exposure in office workers and symptoms of "Building Sickness".
  A.S. Robertson[1], P. Sherwood Burge[2], A. Hedge[3], S. Wilson[4], J. Harris Bass[5]
  [1] University of Birmingham, UK
  [2] East Birmingham Hospital, UK
  [3] Cornell University, USA
  [4] Building Use Studies, London, UK
  [5] Robert Matthew, Johnson-Marshall, London, UK

- A global approach to investigate indoor air quality and performance of the ventilation system.
  Prof van Hiep Nguyen, N. Goyer, J. Lavoie
  Institut de recherche en santé et en sécurité du travail du Québec, Canada

- Calculated and measured indoor radon concentrations in the house with mechanical exhaust ventilation.
  H. Kokotti, P. Kalliokoski & T. Raunemaa
  University of Kuopio, Finland

- Comparison of formaldehyde and radon levels in different ventilation systems.
  Tiina Reponen, H.M. Kokotti, T. Savolainen, & R. Raunemaa
  University of Kuopio, Finland

- IAQ guidelines.
  D.S. Walkinshaw
  Environmental Health Centre, Ottawa, Canada

- Air quality and symptoms in a sick library ventilated with or without return
  B. Berglund[1], L. Lundin[1], C. Morath[1], I. Johansson[2] & T. Lindvall[2]
  [1] University of Stockholm, Sweden
  [2] National Institute of Environmental Medicine & Karolinska Institute, Sweden

- Quantification of air quality by the new Olf and Decipol units.
  P.O. Fanger
  Technical University of Denmark, Lyngby, Denmark

- Indoor air pollution due to emission from wood burning stoves - an overview.
  Dr A. Mandal & A.K. Mandal
  Delhi, India

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E INDOOR AIR CHEMISTRY - SPECIFIC CHEMICALS

- Evaluating the significance of asbestos in air: lessons for assessment of other pollutants.
  Dr B.T. Commins
  Maidenhead, UK

- Environmental Asbestos.
  Dr A.P. Rood
  Health & Safety Executive, London, UK

- Pathways and behaviour of semi-volatile chemicals in enclosed spaces.
  I.L. Gebefuegi & F. Korte
  Institut fuer Oekologische Chemie, Neuherberg, FRG

- Typical pollutant concentrations in public buildings.
  E.M. Sterling & C.W. Collett,
  Theodor D. Sterling Ltd., Vancouver, Canada

- Levels of toxic heavy metals (Hg, Cd, As) in biofluids and tissues of staff in academic chemical laboratories and correlation to the environment quality.
  M. Koupparis, A. Calokerinos, A. Koutsodimou & Dr P.A. Siskos
  University of Athens, Greece

- Odour reduction by biological soil filters.
  B. Berglund, U. Berglund & L. Lundin
  University of Stockholm, Sweden.

- Sulphur hexafluoride as a surrogate for volatilization of organics from indoor water uses.
  N.J. Giardino[1], J.B. Andelman[1], John E. Borrazzo[2] & Cliff I. Davidson[2]
  [1] University of Pittsburgh, USA
  [2] Carnegie Mellon University, USA

- Indoor Chemistry of Po-218.
  P.K. Hopke,
  University of Illinois, USA

- A study of indoor radon levels in dwellings.
  Dr G. Jönsson
  University of Lund, Sweden

- Sources and concentrations of formaldehyde in household dusts.
  V.M. Brown, Dr D.R. Crump & D. Gardiner
  Department of the Environment, Building Research Establishment, UK

Source: https://www.industrydocuments.ucsf.edu/docs/hqcl0000